

## Message Text

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TAGS: PARM, US, UR

SUBJECT:TTBT/PNE NEGOTIATIONS: PLENARY FEB 25

TTBT/PNE DELEGATION MESSAGE NO. 88

1. SUMMARY: BUCHHEIM MADE PRESENTATION ON FACTORS RELEVANT TO DETERMINING YIELD LEVEL WHERE LOCAL SEISMIC NET REQUIRED, AND MAXIMUM AGGREGATE YIELD. PILOTTE REVIEWED US POSITION AND MADE CASE TO SUPPORT NEED FOR ALL US PROPOSED VERIFICATION METHODS. SAID TELESEISMIC SUFFICIENT IF ADEQUATE SEPARATION OF DISTANCE, TIME AND YIELD. WITH DECREASING SEPARATION, THE NEED ARISES FOR LOCAL SEISMIC NET, AND AT VERY SMALL SEPARATIONS VERIFICATION DEPENDS ON OBSERVERS, AND, FINALLY, LOCAL SEISMIC NET NEEDED POST-EXPLOSION TO DETECT CAVITY COLLAPSE OF COLLATERAL EXPLOSION. SOVIETS ASSERTED THAT US NEVER GAVE SCIENTIFIC ARGUMENTS ONLY GENERALITIES. REMAINDER OF DISCUSSION REVOLVED AROUND FACT THAT DECISION ON SELECTED NUMBERS WAS ONE OF JUDGEMENT BASED ON SCIENTIFIC FACTS AVAILABLE SINCE FACTORS ARE INVOLVED THAT GO BEYOND THOSE TAKEN INTO ACCOUNT IN MATHEMATICAL ANALYSIS. END SUMMARY.

2. AFTER BUCHHEIM REMARKS, SAFRONOV ASKED WHAT IS PROBABILITY OF DETECTING A COLLATERAL EXPLOSION FOR YIELDS OF BOTH ONE MEGATON AND TWO MEGATONS AND SAID SOVIETS NEED SCIENTIFIC ANALYSIS WITH DATA TO SUPPORT US NUMBERS.

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3. PILOTTE REVIEWED SAFRONOV FEB 24 POSITION THAT DATA ADDITIONAL TO TELESEISMIC NET IS REQUIRED TO CONFIRM PRESENCE OR ABSENCE OF COLLATERAL EVENT. IF TWO EVENTS HAVE SUFFICIENT SEPARATION IN TIME AND SPACE, AND YIELDS ARE ABOUT EQUAL, TELESEISMIC NET CAN CONFIRM DATA ON COLLATERAL EVENT. AS COLLATERAL EVENT YIELD GETS SMALLER IN RELATION TO PNE, AND THEY COME TOGETHER IN SPACE AND TIME, ABILITY OF TELESEISMIC NET TO DETECT DECREASES. AT SOME POINT, ADDITIONAL DATA REQUIRED SO US PROPOSED LOCAL SEISMIC NET. AS PNE AND COLLATERAL EVENT CONTINUE TO APPROACH EACH OTHER IN TIME AND SPACE, MORE DATA REQUIRED SO US HAS PROPOSED OBSERVERS IN AREA OF 10 KM. RECOGNIZING THAT PARTY CARRYING OUT EXPLOSION CAN CONTROL TIMING OF PNE AND COLLATERAL EVENT BUT NOT COLLAPSE OF CAVITIES, US PROPOSED TO USE LOCAL SEISMIC NET FOR UP TO 15 DAYS POST-EXPLOSION.

4. TIMERBAEV SAID IDEA OF COLLATERAL EVENT THAT OF US NOT SOVIETS AND THEY DO NOT INTEND TO CARRY OUT SUCH EVENTS. BUCHHEIM EXPLAINED US NOT SUGGESTING USSR HAS ANY SUCH INTENTION; US PROPOSAL ADDRESSES POSSIBILITIES. TIMERBAEV SAID MAYBE US THINKING OF DECEIVING.

5. RODIONOV SAID PILOTTE NOT PRECISE AND HAD FORGOTTEN THAT VERIFYING SIDE SELECTS SITES FOR SEISMIC NET. MAYBE US WANTS TOO MANY SAFEGUARDS.

6. SAFRONOV GAVE LONG STATEMENT COMPLAINING THAT US NEVER GIVES TECHNICAL ARGUMENTS, AND DOES NOT BASE PRESENTATIONS ON SPECIFIC DATA. SOVIETS WOULD LIKE TO GIVE HEADS OF DELEGATION AGREED NUMBERS BUT IF US CANNOT BE PRECISE, EACH SIDE WILL HAVE TO GIVE ITS OWN. SOVIET AGGREGATE YIELD FIGURE OF TWO MEGATONS BASED ON A SPECIFIC, CONTEMPLATED PROJECT. IF US DOES NOT GIVE SPECIFIC DATA HOW CAN SOVIET DEL EXPLAIN SITUATION TO SUPERIORS?

7. BUCHHEIM DESCRIBED US VIEWS ON VERIFICATION AS BASED ON NEED TO HAVE HIGH PROBABILITY OF DETECTING THAT COLLATERAL EXPLOSION OCCURRED, AND, ALSO VERY  
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IMPORTANTLY, LOW PROBABILITY THAT VERIFYING SIDE MAY INCORRECTLY JUDGE THAT COLLATERAL EXPLOSION DID OCCUR. SOVIET POSITION, AS PRESENTED, WOULD INVOLVE HIGH PROBABILITY OF INCORRECTLY JUDGING THAT COLLATERAL EVENT HAS OCCURRED, PERHAPS 50 PERCENT OF TIME. THUS, AGREEMENT WOULD BE HIGHLY UNSTABLE, REQUIRING VERY FREQUENT CONSULTATION WITH NO CLEAR SOURCES OF RELIABLE INFORMATION TO MAKE CONSULTATION. STOSSEL

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